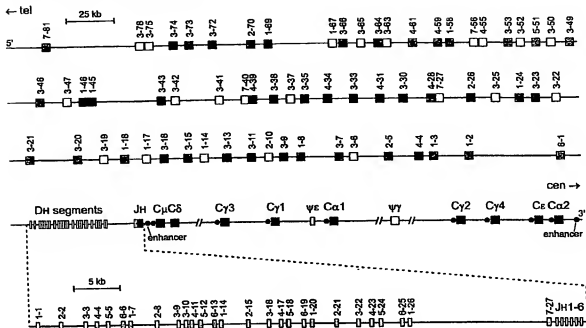


Figure 2

A. *IGH* gene complex (#14q32.3)

B

*IGH* tube A

(SEQ ID NO 1) Vh1-FR1 (1-2) (-252) GGCCTCAGTGAAGGTCTCTCTGCAAG
 (SEQ ID NO 2) Vh2-FR1 (2-5) (-284) GTCTGTGCTCTACGCTGTGTAACCC
 (SEQ ID NO 3) Vh3-FR1 (3-7) (-256) CTGGGGGTCCCTGAGACTCTCTG
 (SEQ ID NO 4) Vh4-FR1 (4-4) (-256) CTTCGGAGACCTGTCTCTCTCACTG
 (SEQ ID NO 5) Vh5-FR1 (5-51) (-258) CGGGGAGTCTGTGAGATCTCTCTG
 (SEQ ID NO 6) Vh6-FR1 (6-1) (-263) TCGCAGACCTCTCACTCACTGTG

IGH tube B

(SEQ ID NO 7) Vh1-FR2 (1-2) (-182) CTGGGTGCGACAGGCCCTGGACAA
 (SEQ ID NO 8) Vh2-FR2 (2-5) (-180) TGGATCCGTGAGCCCGAGGAAGG
 (SEQ ID NO 9) Vh3-FR2 (3-7) (-189) GGTCCCGCAGGCTCCAGGAA
 (SEQ ID NO 10) Vh4-FR2 (4-4) (-188) TGGATCCGCCAGCCCGAGGAAGG
 (SEQ ID NO 11) Vh5-FR2 (5-51) (-190) GGGTGCAGATGCCCCGGAAGG
 (SEQ ID NO 12) Vh6-FR2 (6-1) (-194) TGGATCAGGCACTCCCATCGAGAG
 (SEQ ID NO 13) Vh7-FR2 (7) (-192) TTGGGTGCGACAGGCCCTGGACAA

IGH tube C

(SEQ ID NO 14) Vh1-FR3 (1-2) (-55) TGGAGCTGAGCAGCTGAGATCTGA
 (SEQ ID NO 15) Vh2-FR3 (2-5) (-54) CAATGACCAACATGGACCTGTGGA
 (SEQ ID NO 16) Vh3-FR3 (3-7) (-57) TCTGCAATGAACAGCTGAGAGCC
 (SEQ ID NO 17) Vh4-FR3 (4-4) (-48) GAGCTCTGTGACCGCGCGAGACAG
 (SEQ ID NO 18) Vh5-FR3 (5-51) (-68) CAGACCGCTACCTGCAGTGAGAGC
 (SEQ ID NO 19) Vh6-FR3 (6-1) (-63) GTTCTCCCTGCAGCTGAATCTGTG
 (SEQ ID NO 20) Vh7-FR3 (7) (-69) CAGCAGCGATCATCTGCAGATCAG

3' CCAAGTGCAGAGGAGTCCATTC 5' *IGH* tubes A, B, and C (+57) Jh consensus (SEQ ID NO 21)

Figure 3 (A and B)

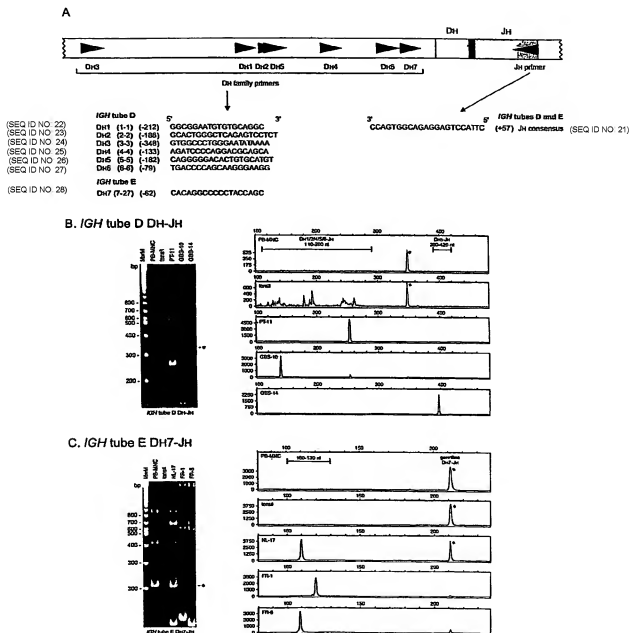
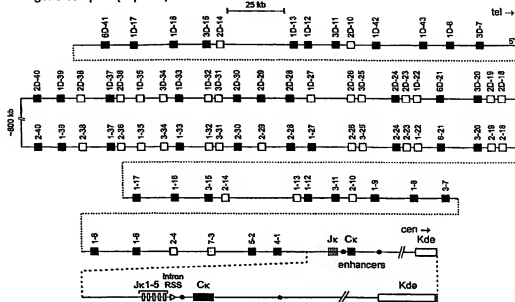


Figure 4 (A, B and C)

A. *IGK* gene complex (#2p11.2)

B

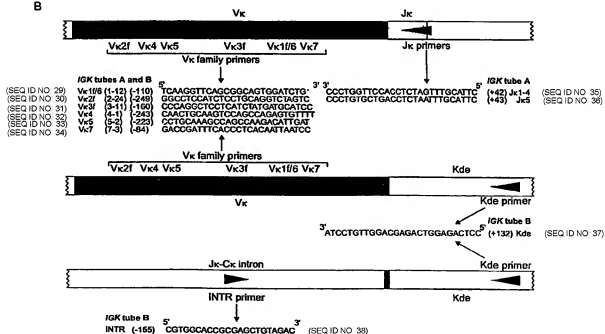
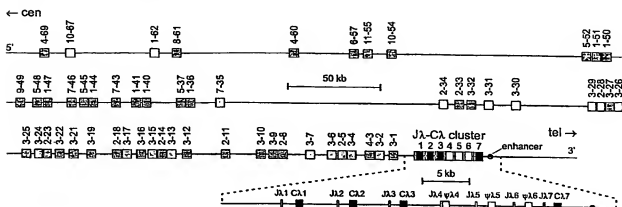


Figure 5 (A and B)

A. *IGL* gene complex (#22q11.2)

B

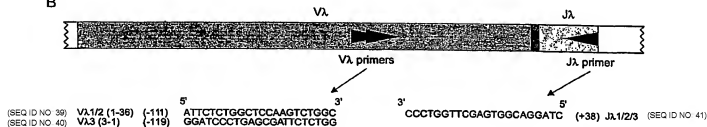
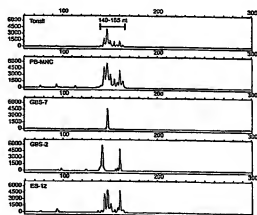
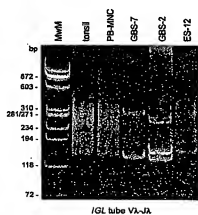
C. *IGL* tube Vλ-Jλ

Figure 6 (A, B and C)

A. TCRB gene complex (#7q34)

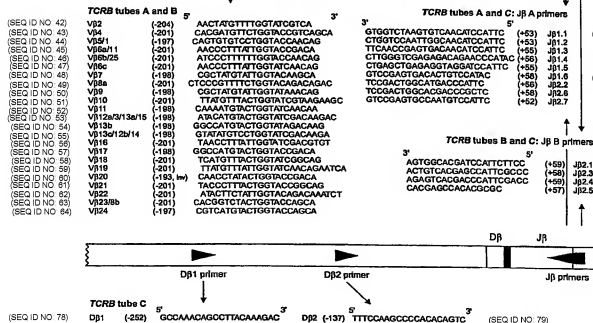
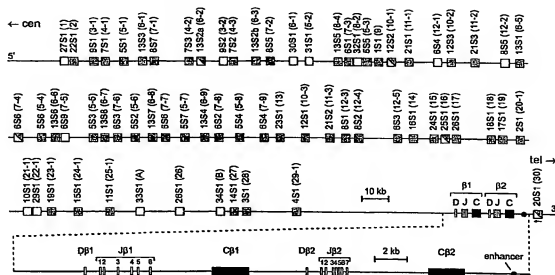
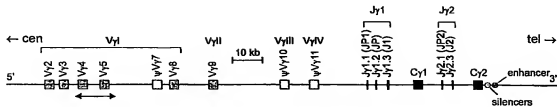
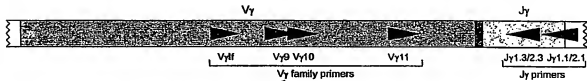


Figure 7 (A and B)

A. *TCRG* gene complex (#7p14)

B



TCRG tube A
 (SEQ ID NO 80) Vγ11 (-178) 5' GGAAGGCCCGCACAGCTCTT 3'
 (SEQ ID NO 81) Vγ10 (-126) AGCATGGGTAAGACAAGCAA

TCRG tube B
 (SEQ ID NO 82) Vγ9 (-141) CGGCACTGTCAAGAAAGAAATC
 (SEQ ID NO 83) Vγ11 (-58) CTTCACATTCACATTTGAAA

TCRG tubes A and B
 (SEQ ID NO 84) Jγ1.1/2.1 (JP1/2) 3' CGAGTATCATTGAAGCGGACCATT 5'
 (SEQ ID NO 85) Jγ1.3/2.3 (Jγ1/2) GAGAAACCGTCACCTTGTTGTG

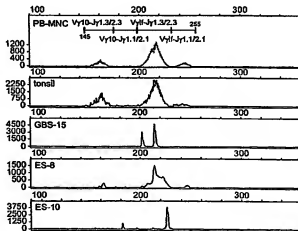
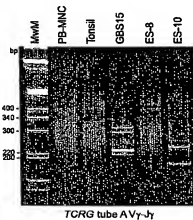
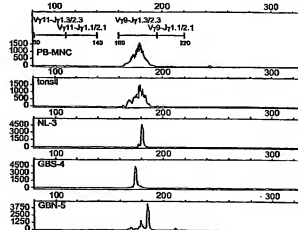
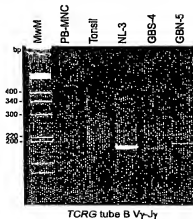
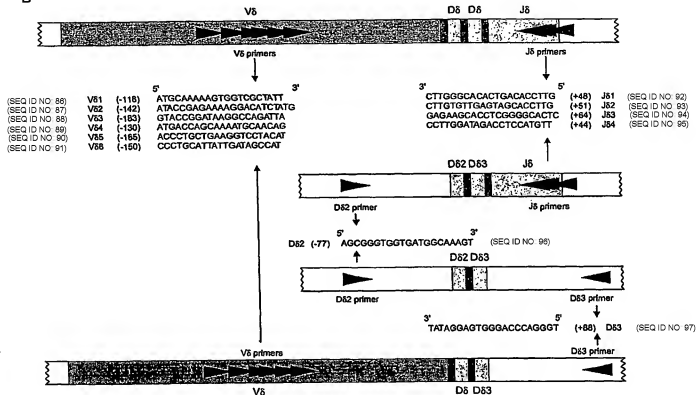
C. *TCRG* tube A Vγ-JγD. *TCRG* tube B Vγ-Jγ

Figure 8 (A, B, C, and D)

A. TCRD gene complex (#14q11.2)



B



C. TCRD tube Vβ-Jβ/Dβ-Dβ/Dβ-Jβ

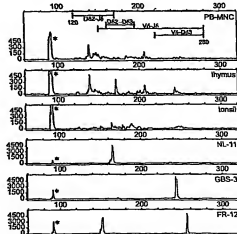
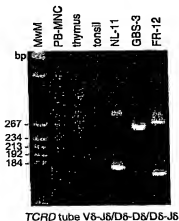


Figure 9 (A, B, and C)

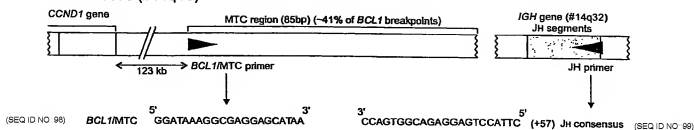
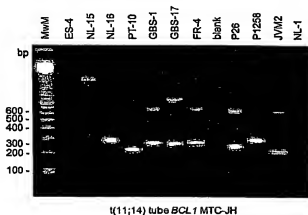
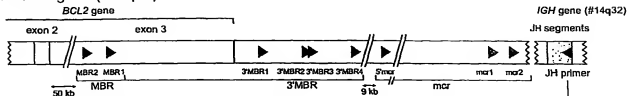
A. *BCL1* locus (#11q13)B. t(11;14) tube *BCL1* MTC-JH

Figure 10 (A and B)

A. *BCL-2* gene (#18q21)

t(14;18) tube A: MBR primers
 (SEQ ID NO: 100) MBR1 (3'end of exon 3) (-3072) GACGAGCAGATTCAAATCATGG
 (SEQ ID NO: 101) MBR2 (3'end of exon 3) (-3575) ACTCTGTGGCATTATGCATTATAT

t(14;18) tube B: 3'MBR primers
 (SEQ ID NO: 102) 3'MBR1 (3'end of exon 3) (+549) GCACCTGCTGGATACAACACTG
 (SEQ ID NO: 103) 3'MBR2 (3'end of exon 3) (+1224) AAACCTAGCAGGGTGTGGTGGC
 (SEQ ID NO: 104) 3'MBR3 (3'end of exon 3) (+1819) GTAATGACTGGGGAGCAATCTT
 (SEQ ID NO: 105) 3'MBR4 (3'end of exon 3) (+2550) ACTGGTTGGCGTGGTTTAGAGA

t(14;18) tube C: mcr primers
 (SEQ ID NO: 106) 5'mcr (3'end of exon 3) (+15581) CGTCTGAAAGAAACGAAGA
 (SEQ ID NO: 107) mcr1 (file AF275873) (+1981) TAGACCAAGCGCCCAAGAAATA
 (SEQ ID NO: 108) mcr2 (file AF275873) (+2407) TGAATGCCATCTCAATCCAA

t(14;18) tubes A, B, and C
 (SEQ ID NO: 110) JH consensus (+37)

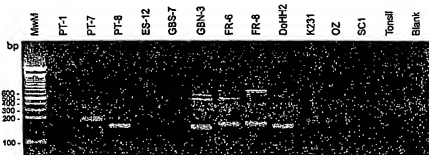
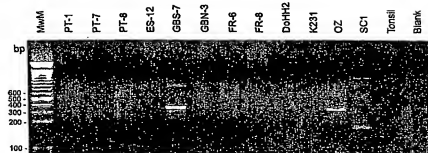
B. t(14;18) tube A *BCL2* MBR-JHt(14;18) tube A *BCL2* MBR-JHC. t(14;18) tube B *BCL2* 3'MBR-JHt(14;18) tube B *BCL2* 3'MBR-JHD. t(14;18) tube C *BCL2* mcr-JHt(14;18) tube C *BCL2* mcr-JH

Figure 11 (A, B, C, and D)

